

Title (en)

COMMUTATION TECHNIQUE FOR AN AC-TO-AC CONVERTER

Title (de)

VERFAHREN FÜR EINEN AC-AC-WANDLER

Title (fr)

TECHNIQUE DE COMMUTATION POUR CONVERTISSEUR CA-CA

Publication

EP 1913681 A1 20080423 (EN)

Application

EP 06789600 A 20060804

Priority

- US 2006030938 W 20060804
- US 20259705 A 20050811

Abstract (en)

[origin: US2007035265A1] A system for controlling a commutation of a load current is provided. The system comprises a AC-to-AC converter that includes a plurality of switching elements, an energy source that provides an oscillating voltage and is connected to the converter, an electrical load connected to the converter, and a controller that controls the converter, and monitors the oscillating voltage and the load current delivered to the electrical load. The controller determines a plurality of machine states of the converter, each of the plurality of machine states representing a corresponding conducting set of the plurality of switching elements, and controls switching between the plurality of machine states based on polarity commutations of the load current in the electrical load and polarity commutations of the oscillating voltage.

IPC 8 full level

H02M 5/257 (2006.01)

CPC (source: EP US)

H02P 27/16 (2013.01 - EP US); **Y10S 388/903** (2013.01 - EP US)

Citation (search report)

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